Activity 6  
Atoms with More Than One Electron

Goals…

* Analyze the pattern in the amounts of energy required to remove electrons from different kinds of atoms
* Compare trends in stability of atoms in the periodic table
* Compare the structure of the periodic table with the patterns of levels and sublevels to which electrons can be assigned
* Develop a shorthand notation to describe the configuration of electrons in an atom

CHEM Talk

* IONIZATION ENERGY- the energy required to Click here to enter text. from an atom
* ION – atoms that have Click here to enter text. orClick here to enter text.electrons
* ELECTRON CONFIGURATION – the distribution of electrons in an atom’s Click here to enter text.
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* PERIODS – the Click here to enter text. rows in the periodic table
* GROUP –Click here to enter text.columns in the periodic table (Click here to enter text.) that have similar electron configurations
* electrons are assigned energy levels & sublevels (s,p,d,f)
* Electron configuration of elements in the Click here to enter text.column end with the same # of Click here to enter text. in a sublevel
* Electrons sublevels are related to the Click here to enter text. properties of elements